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Yields and Cavity Radii of Underground Nuclear Tests with Specified Yields Reported in DOE/NV -- 209-REV 15 (2000)

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LETTER REPORT

Yields and Cavity Radii of Underground Nuclear Tests with Specified Yields Reported in DOE/NV -- 209-REV 15 (2000)

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This letter report provides a compilation of yield and cavity radius information for all underground nuclear tests with specified yields reported in DOE/NV -- 209-REV 15 (2000). Yield data were taken directly from DOE/NV -- 209-REV 15 (2000). Cavity radius information was taken from a personal computer based database resident at Lawrence Livermore National Laboratory. This database is associated with the written report by Miller et al. (2002).

Table 1. Yields and cavity radii of underground nuclear tests with specified yields reported in DOE/NV -- 209-REV 15 (2000).

Shot Name	Yield[1]	Cavity Radius[2]	Cavity Radius[3]
	kt	feet	meters
AARDVARK	40	154.99	47.24
ACE	3	59.05	18.00
AGOUTI	6.4	69.00	21.03
ALPACA	0.330	23.62	7.20
ALVA	4.4	80.05	24.40
ANACOSTIA	5.20	99.08	30.20
ANTLER	2.6	64.96	19.80
ARMADILLO	7.1	123.00	37.49
ATRISCO	138	224.08	68.30
BANDICOOT	12.5	133.01	40.54
BANEBERRY	10	122.37	37.30
BENHAM	1150	324.80	99.00
BERNALILLO	0.015	12.00	3.66

Shot Name	Yield[1]	Cavity Radius[2]	Cavity Radius[3]
	kt	feet	meters
BILBY	249	208.99	63.70
BLANCA	22	145.01	44.20
BOXCAR	1300	310.03	94.50
BRAZOS	8.4	90.87	27.70
CALABASH	110	184.71	56.30
CAMBRIC	0.750	43.96	13.40
CARPETBAG	220	185.36	56.50
CHANCELLOR	143	200.99	61.26
CHARTREUSE	73	131.99	40.23
CHINCHILLA	1.9	71.49	21.79
CIMARRON	11.9	106.95	32.60
COLFAX	0.0055	9.00	2.74
COMMODORE	250	241.47	73.60
COURSER	Zero	23.00	7.01
CRUET	11	144.68	44.10
CYATHUS	8.7	117.78	35.90
CYBAR	119	157.15	47.90
CYCLAMEN	12	120.01	36.58
DELPHINIUM	15	131.89	40.20
DERRINGER	7.8	109.00	33.22
DES MOINES	2.9	75.13	22.90
DISCUS THROWER	22	106.99	32.61
DORMOUSE PRIME	10.6	122.01	37.19
DRILL (SOURCE-LOWER)	3.4	41.01	12.50
DUB	11.7	113.51	34.60
DURYEA	70	172.24	52.50
EAGLE	5.3	94.16	28.70
EEL	4.50	77.10	23.50
EVANS	0.055	19.01	5.80
FEATHER	0.150	26.90	8.20
FENTON	1.4	58.07	17.70
FISHER	13.4	114.99	35.05
FLASK-GREEN	105	116.14	35.40
FLASK-RED	0.035	16.36	4.99
FLASK-YELLOW	0.090	20.66	6.30
GLENCOE	29	118.01	35.97

Shot Name	Yield[1]	Cavity Radius[2]	Cavity Radius[3]
	kt	feet	meters
GREELEY	870	250.98	76.50
HALFBEAK	365	264.99	80.77
HANDCAR	12	68.89	21.00
HARD HAT	5.7	66.01	20.12
HAYMAKER	67	166.99	50.90
HEARTS	140	198.00	60.35
HOOSIC	3.4	84.97	25.90
HUPMOBILE	7.4	105.31	32.10
JORNADA	139	202.10	61.60
KAWEAH	3	63.97	19.50
KLICKITAT	70	175.85	53.60
KNICKERBOCKER	76	151.57	46.20
LABIS	25	106.95	32.60
LOGAN	5	91.86	28.00
LUNA	0.0015	8.00	2.44
MAD	0.500	30.84	9.40
MARS	0.013	12.05	3.67
MARVEL	2.2	71.19	21.70
MERLIN	10.1	99.02	30.18
MINIATA	83	179.79	54.80
MISSISSIPPI	115	225.06	68.60
MUDPACK	2.7	76.11	23.20
NASH	39	95.47	29.10
NEPTUNE	0.115	20.01	6.10
OCONTO	10.5	120.07	36.60
OTERO	0.038	17.00	5.18
PACKARD	10	109.25	33.30
PAMPAS	9.5	119.00	36.27
PAR	38	160.10	48.80
PARROT	1.3	52.99	16.15
PETREL	1.3	56.99	17.37
PILE DRIVER	62	153.76	46.87
PLATTE	1.85	70.86	21.60
POMMARD	1.5	75.00	22.86
RAINIER	1.7	64.96	19.80
REX	19	99.40	30.30

Shot Name	Yield[1]	Cavity Radius[2]	Cavity Radius[3]
	kt	feet	meters
RIOLA	1.07	63.97	19.50
SAN JUAN	Zero	8.00	2.44
SATURN	Zero	3.68	1.12
SAXON	1.2	56.10	17.10
SCOTCH	155	185.01	56.39
SCUTTLE	1.7	59.05	18.00
SIMMS	2.3	62.66	19.10
SNUBBER	12.7	106.31	32.40
STARWORT	90	146.32	44.60
STILLWATER	3.07	76.11	23.20
STOAT	5.1	79.99	24.38
STODDARD	31	163.05	49.70
SWITCH	3.1	53.80	16.40
TAMALPAIS	0.072	29.85	9.10
TEE	7	98.42	30.00
TEMPLAR	0.370	74.47	22.70
TORNILLO	0.380	42.97	13.10
TRANSOM	Zero	8.00	2.44
UMBER	10	108.99	33.22
VALENCIA	0.002	8.00	2.44
VULCAN	25	153.87	46.90
YUBA	3.1	75.13	22.90

[1] Specific yields as reported in DOE/NV -- 209-REV 15 (2000).

[2] Cavity radius as reported in the Microsoft Access© database associated with Miller et al. (2002).

[3] Conversion from feet to meters based on 0.3048 m/ft.

References

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